

# LPV Working Group Communication Resources

- LPV Web site
- LPV Wiki
- LPV listserv
- More engagement needed

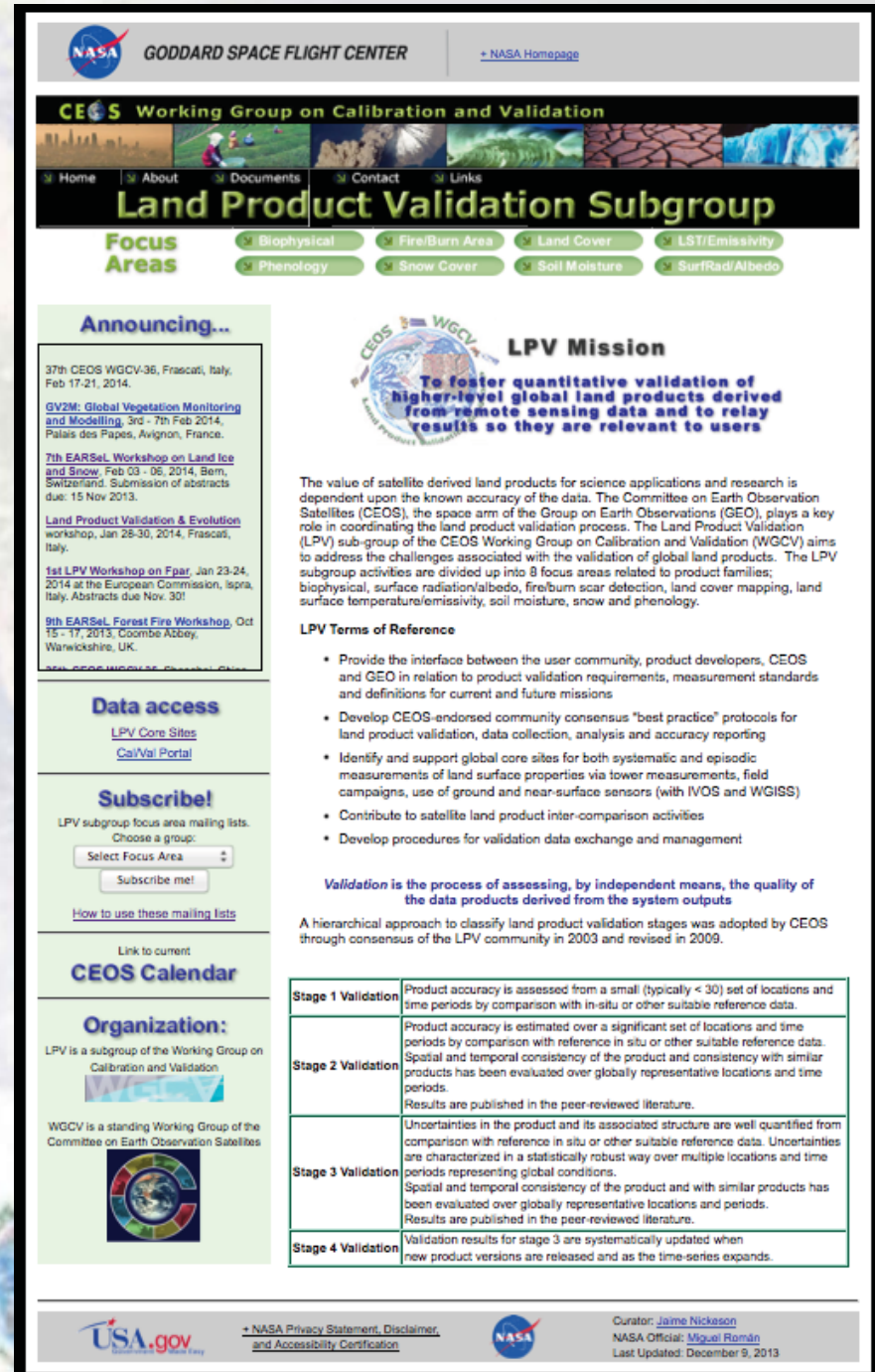


CEOS Working Group on Calibration and Validation

**Land Product Validation**  
Subgroup

# LPV Web site (<http://lpvs.gsfc.nasa.gov>)

- Originally created in 2004 with 4 focus areas, no working group
- Main Page - Mission, Background, and Validation Stages
- Expanded in 2009 to create working group of paired Focus Area leaders (N. Amer/EU).
- Navigation tabs for each Focus Area with 3 standard menu items: home page, products, and meetings. More can be added to reflect group activities.
- Left panel: announcements, listserv subscriptions, CEOS links
- Content updates driven by the Focus Area leads.



**GODDARD SPACE FLIGHT CENTER** [+ NASA Homepage](#)

**CEOS Working Group on Calibration and Validation**

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**Land Product Validation Subgroup**

**Focus Areas**

- Biophysical
- Fire/Burn Area
- Land Cover
- LST/Emissivity
- Phenology
- Snow Cover
- Soil Moisture
- SurfRad/Albedo

**Announcing...**

37th CEOS WGCV-36, Frascati, Italy, Feb 17-21, 2014.

**GV2M: Global Vegetation Monitoring and Modelling**, 3rd - 7th Feb 2014, Palais des Papes, Avignon, France.

**7th EARSel Workshop on Land Ice and Snow**, Feb 03 - 06, 2014, Bern, Switzerland. Submission of abstracts due: 15 Nov 2013.

**Land Product Validation & Evolution workshop**, Jan 28-30, 2014, Frascati, Italy.

**1st LPV Workshop on Fpar**, Jan 23-24, 2014 at the European Commission, Ispra, Italy. Abstracts due Nov. 30!

**9th EARSel Forest Fire Workshop**, Oct 15 - 17, 2013, Coombe Abbey, Warwickshire, UK.

**Data access**

[LPV Core Sites](#)  
[Cal/Val Portal](#)

**Subscribe!**

LPV subgroup focus area mailing lists. Choose a group:

Select Focus Area:

Subscribe me!

[How to use these mailing lists](#)

Link to current **CEOS Calendar**

**Organization:**

LPV is a subgroup of the Working Group on Calibration and Validation.

WGCV is a standing Working Group of the Committee on Earth Observation Satellites.

**LPV Mission**

To foster quantitative validation of higher-level global land products derived from remote sensing data and to relay results so they are relevant to users

The value of satellite derived land products for science applications and research is dependent upon the known accuracy of the data. The Committee on Earth Observation Satellites (CEOS), the space arm of the Group on Earth Observations (GEO), plays a key role in coordinating the land product validation process. The Land Product Validation (LPV) sub-group of the CEOS Working Group on Calibration and Validation (WGCV) aims to address the challenges associated with the validation of global land products. The LPV subgroup activities are divided up into 8 focus areas related to product families; biophysical, surface radiation/albedo, fire/burn scar detection, land cover mapping, land surface temperature/emissivity, soil moisture, snow and phenology.


**LPV Terms of Reference**

- Provide the interface between the user community, product developers, CEOS and GEO in relation to product validation requirements, measurement standards and definitions for current and future missions
- Develop CEOS-endorsed community consensus "best practice" protocols for land product validation, data collection, analysis and accuracy reporting
- Identify and support global core sites for both systematic and episodic measurements of land surface properties via tower measurements, field campaigns, use of ground and near-surface sensors (with IVOS and WIGSS)
- Contribute to satellite land product inter-comparison activities
- Develop procedures for validation data exchange and management

**Validation is the process of assessing, by independent means, the quality of the data products derived from the system outputs**

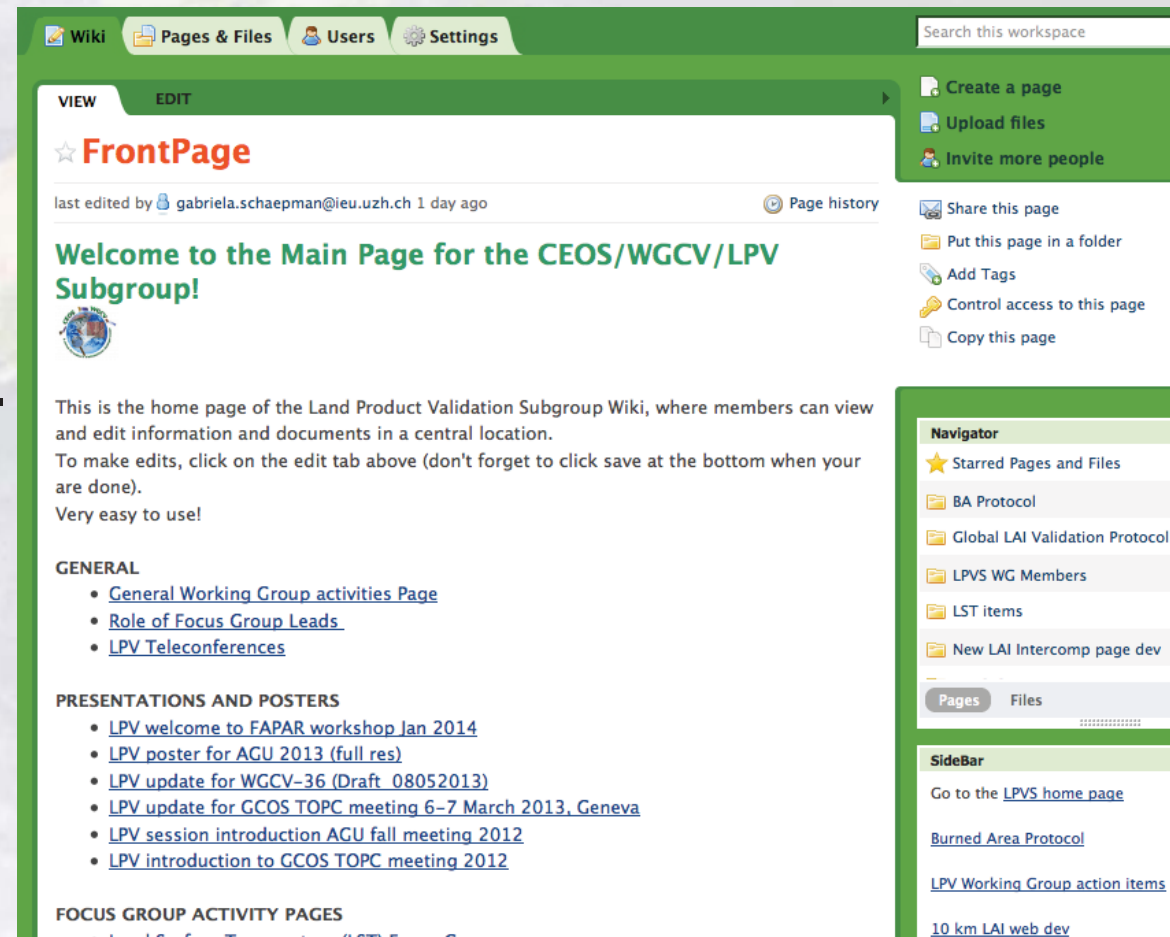
A hierarchical approach to classify land product validation stages was adopted by CEOS through consensus of the LPV community in 2003 and revised in 2009.

<b>Stage 1 Validation</b>	Product accuracy is assessed from a small (typically < 30) set of locations and time periods by comparison with in-situ or other suitable reference data.
<b>Stage 2 Validation</b>	Product accuracy is estimated over a significant set of locations and time periods by comparison with reference in situ or other suitable reference data. Spatial and temporal consistency of the product and consistency with similar products has been evaluated over globally representative locations and time periods. Results are published in the peer-reviewed literature.
<b>Stage 3 Validation</b>	Uncertainties in the product and its associated structure are well quantified from comparison with reference in situ or other suitable reference data. Uncertainties are characterized in a statistically robust way over multiple locations and time periods representing global conditions. Spatial and temporal consistency of the product and with similar products has been evaluated over globally representative locations and periods. Results are published in the peer-reviewed literature.
<b>Stage 4 Validation</b>	Validation results for stage 3 are systematically updated when new product versions are released and as the time-series expands.

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NASA Official: [Miguel Román](#)  
Last Updated: December 9, 2013

# LPV Wiki (<http://lpvs.pbworks.com/>)

- Created to centralize communication and access to resources within the LPV WG while minimizing email and document version tracking.
- Each working group member is a 'writer'. All have the ability to add content and comment on pages, upload/download files and create new pages.
- Easy to learn and use. Writers cannot make any changes that cannot be undone.
- Log in with email, if you forget password, click on 'forgot password' link.



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# LPV Mailman listserv

- Lists for each Focus Area community were created from the LPV\_contacts.xls spreadsheet (file on the Wiki). Each group has the opportunity to review and update their lists.
- Anyone visiting the LPV Web site can request to join (subject to approval) under 'Subscribe!' on the home page.
- Any member of a list can to distribute messages to the all the members of the community lists to which they are subscribed.
- These lists can be used to solicit feedback, notifications of community activities, publications. Can only be used from the EXACT email address in your subscription, if your subscription is your institutional address, you cannot post from your gmail account.
- Sample Usage – send email to: [ceos-lpv-LC@lists.nasa.gov](mailto:ceos-lpv-LC@lists.nasa.gov) to send message to Land Cover community distribution list. For more info, see 'How To' link under Subscribe! on left panel of home page.

# More Engagement Needed

- It was expected that the lists would be used to update the community at least annually on CEOS and/or LPV activities and to solicit feedback, any communication to keep the community engaged.
- It is also expected that the working group would provide input for the FA home pages to prevent the pages from becoming static, while also adding meetings and products, as needed.

**For the most part, neither of these are happening...**

How might we better engage the respective communities??



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